

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

1.-15. (Cancelled).

16. (Currently Amended) A method comprising:  
checking a destination address of a received packet by an intermediate node  
configured to arrange data transmission between a first device and a second  
device in a local area networking system, wherein at least the second device is  
configured to multicast and/or broadcast messages;  
  
comparing the destination address of the packet with at least one predetermined  
multicast and/or broadcast address; and  
  
preventing, in the system, the transmission of the packet to the first device ~~if in~~  
response to the addresses matching,  
  
wherein, in response to the addresses not matching, the multicast and/or broadcast  
messages from the ~~first~~second device are forwarded by the intermediate node.

17. (Previously Presented) A method as claimed in claim 16, wherein the intermediate  
node is configured to connect networks that use different data transmission protocols.

18. (Previously Presented) A method as claimed in claim 16, wherein the destination  
address is an internet protocol address.

19. (Previously Presented) A method as claimed in claim 16, wherein the first device belongs to a mobile handheld subcommittee domain of a universal plug and play system and the second device belongs to a home network version 1 domain of the universal plug and play system.

20. (Previously Presented) A method as claimed in claim 19, wherein transmission of universal plug and play discovery multicast messages to the first device is prevented.

21. (Currently Amended) A system comprising:

a first device;

a second device; and

an intermediate node configured to arrange data transmission between the first device and the second device;

wherein at least the second device is configured to multicast and/or broadcast messages to devices in the system, wherein the system is configured to check the destination address of a received packet, the system is configured to compare the destination address of the packet with at least one predetermined multicast and/or broadcast address, and wherein the system is configured to prevent in the system the transmission of the packet to the first device if in response to the addresses matching, and wherein, in response to the addresses not matching, the system is configured to forward the multicast and/or broadcast messages from the first-second device.

22. (Currently Amended) An apparatus comprising:

a processor configured to

check the destination address of a received packet, wherein the apparatus comprises an intermediate node configured to arrange data transmission between a first device and a second device in a local area networking system;

compare the destination address of the packet with at least one predetermined multicast and/or broadcast address; and

prevent the transmission of the packet in the system to the first device ~~if in response to~~ the addresses matching,

wherein, in response to the addresses not matching, the ~~apparatus-processor~~ is configured to cause the apparatus to forward multicast and/or broadcast messages from the first-second device.

23. (Currently Amended) The apparatus according to claim 22, wherein the ~~apparatus processor~~ is configured to cause the apparatus to connect networks that use different data transmission protocols.

24. (Currently Amended) The apparatus according to claim 23, wherein the processor is configured to cause the apparatus to perform data transmission between an IEEE 802-based network to which the second device belongs and a bluetooth network to which the first device belongs.

25. (Previously Presented) The apparatus according to claim 22, wherein the destination address is an internet protocol address.

26. (Currently Amended) The apparatus according to claim 22, wherein the processor is configured to cause the apparatus to provide data transmission between the first

device belonging to a mobile handheld subcommittee domain of a universal plug and play system and the second device belonging to a home network version 1 domain of the universal plug and play system.

27. (Currently Amended) The apparatus according to claim 25, wherein the processor is configured to prevent transmission of universal plug and play discovery multicast messages to the first device, and
- ~~the processor is configured to cause the apparatus is configured~~ to forward at least the broadcast messages relating to address acquisition to the first device.

28. (Previously Presented) The apparatus according to claim 22, wherein the processor is configured to check, in addition to the comparison of the destination address of the packet with at least one predetermined multicast and/or broadcast address, if the packet complies with one or more further message transmission conditions, and the processor is configured to allow forwarding of the message to the first device in response to the message complying with the one or more further message transmission conditions.

29. (Currently Amended) An apparatus comprising:  
a processor configured to
- check a destination address of a received packet,
- compare the destination address of the packet with at least one predetermined multicast and/or broadcast address, and
- prevent transmission of the packet to a first device ~~if in response to~~ the addresses matching.

wherein, in response to the addresses not matching, the processor is configured to  
cause the apparatus is configured to forward multicast and/or broadcast  
messages from the ~~first~~ second device.

30. (Previously Presented) The apparatus according to claim 29, wherein the processor is configured to prevent transmission of universal plug and play discovery multicast messages to the first device.

31. (Previously Presented) The apparatus according to claim 29, wherein the processor is configured to compare one or more properties of the message to properties specified in predetermined transmission conditions to determine whether the message should be transferred to the first device.

32. (Currently Amended) A ~~memory computer readable storage medium~~ storing a computer program, the computer program configured to control a processor to perform the following:

check a destination address of a received packet;

comparing the destination address of the packet with at least one predetermined  
multicast and/or broadcast address;

preventing transmission of the packet in the system to a first device ~~if~~ in response to  
the addresses matching; and

in response to the addresses not matching, forwarding multicast and/or broadcast  
messages from the ~~first~~ second device.

33. (Currently Amended) A ~~computer-readable storage-medium~~memory according to claim 32, wherein the computer program is further configured to control the processor to prevent transmission of universal plug and play discovery multicast messages to the first device.

34. (Currently Amended) A ~~computer-readable storage-medium~~memory according to claim 32, wherein the computer program is further configured to control the processor to compare one or more properties of the message to properties specified in predetermined transmission conditions to determine whether the message should be transferred to the first device.

35. (Canceled).

36. (Previously Presented) The apparatus according to claim 22, wherein the processor is configured to check whether the first device is in sleep mode and, when the first device is in sleep mode, the processor is configured to wake up the first device before transmitting a message to the first device.

37. (New) A method comprising:  
checking a destination address of a received packet;  
  
determining whether the destination address of the packet is a predetermined multicast and/or broadcast address;  
  
in response to a determination the destination address of the packet is a predetermined multicast and/or broadcast address, preventing the transmission of the packet to a first device; and

S.N. 10/587,979  
Art Unit: 2476

in response to a determination the destination address of the packet is not a  
predetermined multicast and/or broadcast address, forwarding multicast and/or  
broadcast messages to at least the first device.